

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CI-0013	APPLN. SERIAL NO. 10/024,043		
				APPLICANT(S) Wilson BURGESS, William N. DROHAN, Martin J. MACPHEE and David M. MANN			
				FILING DATE December 21, 2001	GROUP 1636		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
VA	3,962,038	06/08/76	KAWASHIMA et al.	195	68	04/10/74	
VA	4,894,253	01/16/90	HEINEMAN et al.	427	36	08/08/88	
VA	5,002,766	03/26/91	RANSBERGER et al.	424	94.2	09/23/88	
VA	5,965,349	10/12/99	LIN et al.	435	2	03/17/97	
VA	5,958,669	09/28/99	OGLE et al.	435	1.1	05/02/97	
VA	5,911,951	06/15/99	GIRARDOT et al.	422	28	07/09/98	
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
VA	JP 408098688A	04/16/96	Japan			Abs	
VA	WO 00/52031	09/08/00	PCT				
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V.A.	P.V. Kapanin et al., "Feasibility of liposome cryoradiation sterilization," Khimiko-Farmatsevticheskii Zhurnal, 1988, Vol. 22(4), Abstract, pp. 479-82.						
EXAMINER V. Sfrumova				DATE CONSIDERED 2-18-2004			

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(PTO-1449)

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VA	4,994,237	02/19/91	LOGIN et al.	422	21	11/13/89
VA	6,383,732 B1	05/07/02	STONE	435	1.1	06/01/00
V.A.	4,727,027	02/23/88	WIESEHAHN et al.	435	173	10/07/85

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EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
VA ↑ ↓ VA	RE 23,195	02/1950	Arno Brasch				
	2,832,689	04/1958	Bernard E. Proctor et al.				
	2,920,969	01/1960	E.S. Stoddard				
	2,962,380	11/1960	J.H. Wertheim				
	3,620,944	11/1971	Keiko Tanito				
	3,743,480	07/1973	John D. Falk				
	3,779,706	12/1973	Nablo				
	4,136,094	01/1979	Condie				
	4,251,437	02/1981	Rasmussen et al.				
	4,282,863	08/1981	Beigler et al.				
VA	4,330,626	05/1982	Blair et al.				
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
VA ↓ VA	2,056,619	10/1991	Canada				
	310 316	04/1989	Europe				
	334 679	09/1989	Europe				
	919 918 A2	06/1999	Europe (Abstract)			X	
	919 918 A3	06/1999	Europe (Abstract)			X	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
VA	AABB FDA Liaison Meeting, ABC Newsletter, December 12, 1997, pp. 14						
↑	Ozan Akkus et al., Fracture Resistance of Gamma Radiation Sterilized Cortical Bone Allografts, 2001, pps. 927-934, Journal of Orthopaedic Research, Vol. 19						
↓	Tikvah Alper et al., The Exceptionally Small Size of the Scrapie Agent, 1966, pps. 278-284, Biochemical and Biophysical Research Communications, Vol. 22, No. 3						
EXAMINER <i>V. Abramova</i>				DATE CONSIDERED <i>2-18-04</i>			

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VA	4,370,264	01/1983	Kotitschke et al.					
VA	4,409,105	10/1983	Hayashi et al.					
	4,472,840	09/1984	Jefferies					
	4,620,908	11/1986	Van Duzer					
	4,865,602	09/1989	Smestad et al.					
	4,933,145	06/1990	Uchida et al.					
	4,946,648	08/1990	Dichtelmüller et al.					
	4,963,356	10/1990	Calenoff et al.					
	5,000,951	03/1991	Bass et al.					
	5,106,619	04/1992	Wiesehahn et al.					
VA	5,134,295	07/1992	Wälischmüller					
VA	5,185,371	02/1993	Rubinstein					
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						Yes	No	
VA	11-216147	08/1999	Japan (Abstract)			X		
VA	1321420-A	07/1987	Soviet Union (Abstract)			X		
	WO 90/00907	02/1990	PCT Int'l (Abstract)			X		
	WO 91/16060	10/1991	PCT Int'l (Abstract)			X		
VA	WO 95/03071	02/1995	PCT Int'l (Abstract)			X		
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VA	Tikvah Alper et al., Protection by Anoxia of the Scrapie Agent and Some DNA and RNA Viruses Irradiated as Dry Preparations, 1968, pps. 157-166, J. Gen. Virol., Vol. 3							
VA	Tikvah Alper et al., Does the Agent of Scrapie Replicate Without Nucleic Acid? May 20, 1967, pps. 764-766, Nature, Vol. 214							
VA	Tikvah Alper et al., The Scrapie Agent: Evidence Against its Dependence For Replication on Intrinsic Nucleic Acid, 1978, pps. 503-516, J. Gen. Virol., Vol. 41							
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<i>VA</i> ↑ ↓ <i>VA</i>	5,226,065	07/1993	Held et al.				
	5,362,442	11/1994	Kent				
	5,418,130	05/1995	Plat. et al.				
	5,460,962	10/1995	Kemp				
	5,510,122	04/1996	Sreebny et al.				
	5,603,894	02/1997	Aikus et al.				
	5,609,864	03/1997	Shanbrom				
	5,637,451	06/1997	Ben-Hur et al.				
	5,643,464	07/1997	Rhee et al.				
	5,712,086	01/1998	Horowitz et al.				
	5,730,933	03/1998	Peterson				
	5,817,528	10/1998	Böhm et al.				
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<i>VA</i> ↑ ↓ <i>VA</i>	WO 00/25839	03/2000	PCT Int'l (Abstract)			X	
	WO 01/08611A1	02/2001	PCT Int'l (Abstract)			X	
	WO 01/12318A1	02/2001	PCT Int'l (Abstract)			X	
	WO 01/32107A2	05/2001	PCT Int'l (Abstract)			X	
	WO 01/32110A2	05/2001	PCT Int'l (Abstract)			X	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
<i>VA</i>	S.R. Aparicio et al., Light and Electron Microscopy Studies on Homograft and Heterograft Heart Valves, 1975, pps. 174-162, J. Path, Vol. 115						
<i>VA</i>	J. Baksa et al., The Use of Pig's Skin (xenograft) for the Treatment of Burns, 1976, pps. 138-145, Magyar Traumatologin, Vol. 19						
<i>VA</i>	Michael L. Baldwin et al., Irradiation of Blood Components, 1992, pps. 10-78, American Association of Blood Banks						
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<i>V. Sfronore</i>			<i>2-18-04</i>				

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<div style="text-align: center;"> VA ↑ VA </div>	5,837,313	11/1998	Ding et al.			
	5,881,534	03/1999	Ahlqvist et al.			
	5,981,163	11/1999	Horowitz et al.			
	5,986,168	11/1999	Noishiki			
	6,046,024	04/2000	Burton et al.			
	6,049,025	04/2000	Stone et al.			
	6,066,626	05/2000	Yew et al.			
	6,087,141	07/2000	Margolis-Nunno et al.			
	6,120,592	09/2000	Brault et al.			
	6,159,490	12/2000	Deghenghi			
VA	6,171,549	01/2001	Kent			

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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<div style="text-align: center;"> VA ↑ VA VA </div>	WO 01/45720A1	06/2001	PCT Int'l (Abstract)			X	
	WO 01/49219A1	07/2001	PCT Int'l (Abstract)			X	
	WO 01/72233A1	10/2001	PCT Int'l (Abstract)			X	
	WO 01/72244A1	10/2001	PCT Int'l (Abstract)			X	
	WO 01/91818A1	12/2001	PCT Int'l (Abstract)			X	

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VA	R.H. Bassin et al., Abrogation of Fv-1 ^b Restriction With Murine Leukemia Viruses Inactivated by Heat or by Gamma Irradiation, May 1978, pps. 306-315, Journal of Virology, Vol. 26, No. 2
VA	Guy Beauregard et al., Temperature Dependence of the Radiation Inactivation of Proteins, 1985, pps. 117-120, Analytical Biochemistry, Vol. 150
VA	Sandra Blakeslee, Tight Rules on Use of Organs Do Not Apply to Tissues, January 20, 2002, The New York Times Newspaper

EXAMINER <i>V. Johnson</i>	DATE CONSIDERED <i>2-18-04</i>
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	6,187,572	02/2001	Platz et al.					
	6,190,855	02/2001	Herman et al.					
	6,197,207	03/2001	Chapman et al.					
	6,203,544	03/2001	Gotzen					
	6,214,534	04/2001	Horowitz et al.					
	6,235,508	05/2001	Sowemimo-Coker et al.					
	4,784,850	11/1998	Abraham					
	4,798,611	01/1989	Freeman, Jr.					
	5,283,034	02/1994	Okrongly et al.					
	5,548,066	08/1996	Leneau et al.					
5,989,498	11/1999	Odland						
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	A.J.J.C. Bogers et al., Long-Term Results of the Gamma-Irradiation-Preserved Homograft Monocusp for Transannular Reconstruction of the Right-Ventricular Outflow Tract in Tetralogy of Fallot, 1994, pps. 337-330, Thorac. Cardiovasc. Surgeon, Vol. 42							
	David R. Brown et al., Antioxidant Activity Related to Copper Binding of Native Prion Protein, 2001 pps. 69-76, Journal of Neurochemistry, Vol. 76							
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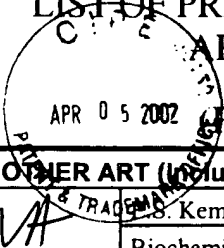
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	P. Brown et al., Further Studies of Blood Infectivity in an Experimental Model of Transmissible Spongiform Encephalopathy, With an Explanation of Why Blood Components Do Not Transmit Creutzfeldt-Jakob Disease in Humans, November/December 1999, pps. 1169-1178, Transfusion, Vol. 39	
	Paul Brown et al., Effect of Chemicals, Heat, and Histopathologic Processing on High-Infectivity Hamster-Adapted Scrapie Virus, May 1982, pps. 683-687, The Journal of Infectious Diseases, Vol. 145, No. 5	
	P. Brown et al., The Distribution of Infectivity in Blood Components and Plasma-Derivatives in Experimental Models of Transmissible Spongiform Encephalopathy, September 1998, pps. 810-816, Transfusion, Vol. 38	
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	Ernest U. Conrad et al., Transmission of the Hepatitis-C Virus by Tissue Transplantation, February 1995, pps. 214-224, The Journal of Bone and Joint Surgery, Vol. 77-A, No. 2	
	A.S. Dagli, Correction of Saddle Nose Deformities by Coral Implantation, 1997, pps. 274-276, Eur. Arch. Otorhinolaryngol, Vol. 254	
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	Duane C. Eichler et al., Radiation Inactivation Analysis of Enzymes, July 15, 1987, pps. 9433-9436, The Journal of Biological Chemistry, Vol. 262, No. 20	
	Luanne H. Elliott et al., Inactivation of Lassa, Marburg and Ebola Viruses by Gamma Irradiation, Oct. 1982, pps. 704-708, Journal of Clinical Microbiology, Vol. 16, No. 4	
	Bradley M. Fideler et al., Gamma Irradiation: Effects on Biomechanical Properties of Human Bone-Patellar Tendon-Bone Allografts, 1995, pps. 643-646, American Journal of Sports Medicine, Vol. 23, No. 5	
	Bradley M. Fideler et al., Effects of Gamma Irradiation on the Human Immunodeficiency Virus, July 1994, The Journal of Bone and Joint Surgery, Vol. 76-A, No. 7	
	Fields et al., Susceptibility of Scrapie Agent to Ionizing Radiation, April 5, 1969, pps. 90-91, Nature, Vol. 222	
J.R.P. Gibbons et al., Effects of Gamma Irradiation on the Initial Mechanical and Material Properties of Goat Bone-Patellar Tendon-Bone Allografts, 1991, pps. 209-218, J. Orthop Res, Vol. 9, No. 2		
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<p>LA</p> <p>↑</p> <p>↓</p> <p>VA</p>	<p>R.P. Gibbons et al., Gamma Ray Sterilisation of Homograft Valves, 1969, pps. 353-358, Bulletin De La Societe Internationale De Chirurgie, No. 3</p>	<p>M.J. Goertzen et al., Anterior Cruciate Ligament Reconstruction Using Cryopreserved Irradiated Bone-ACL-Bone-Allograft Transplants, 1994, pps. 150-157, Knee Surgery Sports Traumatology Arthroscopy, Vol. 2</p>
	<p>M.J. Goertzen et al., Sterilisation of Canine Anterior Cruciate Allografts by Gamma Irradiation in Argon, March 1995, pps. 205-212, The Journal of Bone and Joint Surgery, Vol. 77-B, No. 2</p>	<p>Slawomir Gregorczyk et al., Strength of Lyophilized and Irradiated Cortical Bone of the Human Femur, 1995, pps. 129-133, Chir. Narz. Ruchu Ortop. Pol., Lx 2</p>
	<p>D.A. Haig, Further Studies on the Inactivation of the Scrapie Agent by Ultraviolet Light, 1969, pps. 455-457, J. Gen. Virol., Vol. 5</p>	<p>F.W. Hehrlein et al., Biochemische Veränderungen an Heterologen Aortenklappentransplantaten nach Anwendung Verschiedener Sterilisationsverfahren, pps. 1183-1185, Langenbecks Arch. Chir., Bd. 325 (Kongrebericht) (English Summary found at page 1183)</p>
	<p>F.W. Hehrlein et al., Morphologische Untersuchungen an Heterologen Herzklappentransplantaten Unter Verschiedenen Sterilisationsbedingungen, pps. 244-251 (English Summary found at page 250)</p>	<p>H. Hiemstra et al., Inactivation of Human Immunodeficiency Virus by Gamma Radiation and its Effect on Plasma and Coagulation Factors, 1991, pps. 32-39, Transfusion, Vol. 31, No. 1</p>
	<p>Richard Hinton et al., A Biomechanical Analysis of Solvent-dehydrated and Freeze-Dried Human Fascia Lata Allografts, 1992, pps. 607-612, The American Journal of Sports Medicine, Vol. 20, No. 5</p>	<p>B. Horowitz et al., Inactivation of Viruses in Labile Blood Derivatives, II. Physical Methods, 1985, pps. 523-527, Transfusion, Vol. 25, No. 6</p>
	<p>M. Horowitz, Sterilization of Homograft Ossicles by Gamma Radiation, November 1979, pps. 1087-1089, The Journal of Laryngology and Otology, Vol. 93</p>	<p>Carol House et al., Inactivation of Viral Agents in Bovine Serum by Gamma Irradiation, 1990 pps. 737-740, Can. J. Microbiol., Vol. 36</p>
	<p>Shinichiro Ijiri et al., Effect of Sterilization on Bone Morphogenetic Protein, 1994, pps. 628-636, Journal of Orthopaedic Research, Vol. 12</p>	<p>A.S. Imamaliyev et al., Biological Properties of Bone Tissue Conserved in Plastic Material and Sterilized With Gama Rays, 1974, pps. 129-135, ACTA, Chirurgiae Plasticae, Vol. 16, No. 3</p>
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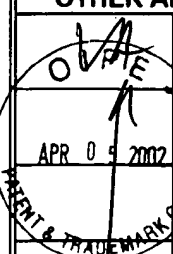
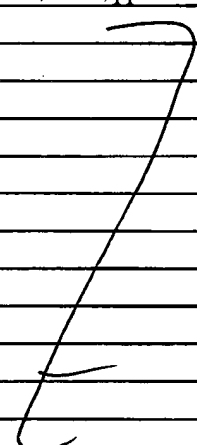
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